

# FACT SHEET

## PROJECT STATUS

The USACE announced in February 2020 that funding had been approved to begin pre-construction monitoring and design engineering

Since April 2020 the Cities of Solana Beach and Encinitas have worked in conjunction with USACE to develop the Project Management Plan and the Design Agreement as the local sponsors.

## TIMELINE

- Pre-construction monitoring will take place **Fall 2021-2022**
- Project construction to slated to begin in **2023**.
- Periodic renourishment over the course of the project lifetime (50 years) to occur **every 5 years during the fall season**.

## PROJECT BUDGET

The project is both federally and locally funded by the cities of Encinitas and Solana Beach. Economic analysis predicts an annual benefit of \$5,536,000 and Cost Benefit Ratio of 1.42.

**TOTAL CONSTRUCTION COST (50 YEARS):**  
\$173,805,000

**INITIAL CONSTRUCTION:** \$32,173,000  
(\$20,952,750 Fed; \$11,220,250 Non-Fed)

**13 RENOURISHMENTS:** \$141,570,000  
(\$70,785,000 Fed; \$70,785,000 Non-Fed)



City of  
**ENCINITAS**

# U.S. Army Corps of Engineers San Diego County Storm Damage Reduction Project



## HISTORY

The San Diego County coastline is in a constant state of erosion, as natural sand processes have been interrupted by coastal and upland development. The erosion is exacerbated by storm surge at high tide with additional effects from strong waves. In Encinitas, the impacts of this erosion are felt by narrowing beaches and wave encroachment on our bluffs, which threaten public and private infrastructure and beach safety.

## PROJECT OVERVIEW

The primary goal of the San Diego County Storm Damage Reduction Project is to add sand to our eroding shoreline, with the aim of attenuating waves that further erode the coastal bluffs and providing more useable beach sand for safer beach conditions. The Project is a collaboration between the U.S. Army Corps of Engineers (USACE) and the cities of Solana Beach and Encinitas, with receiver sites located in both cities. In Encinitas, the Project involves the construction of a 50-foot-wide beach fill using 340,000 cubic yards of compatible sand borrow from offshore, with renourishment every 5 years on average over a 50-year period.

## MONITORING

Initial monitoring for the Project will begin in fall 2021 and continue until fall 2022, and will entail studying:

- beach profiles and sand volumes
- surfing and wave characteristics where sand placement will occur
- physical conditions of the sand in the offshore borrow sites
- biological conditions of the nearshore reef and intertidal zone

These studies will determine a baseline that will be utilized by the to track any physical or biological changes seen over the life of the Project.

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## PROJECT LOCATION AND AMENITIES

Beach fill will occur along a 7,800 ft-long stretch of shoreline from Daphne Street to H Street (see Segment 1 in the Map to the right for the project location).

The project area includes the following restrictions:

- During initial construction, portions of the project area will be closed to public access.
- As the beach fill is constructed the sand fences will immediately be moved to open access.

Project benefits and amenities include:

**PUBLIC SAFETY:** Improve public safety in the study area by reducing the threat of life-threatening bluff failures caused by wave action against the bluff base, throughout the 50-year period of analysis

**INFRASTRUCTURE:** Reduce coastal storm damages to property and infrastructure along the study area shoreline and the bluff top, prior to the need for emergency action, throughout the 50-year period of analysis.

**RECREATION:** Reduce coastal erosion and shoreline narrowing to improve recreational opportunities for beach users within the study area throughout the 50-year period of analysis.



Figure 1. Location of the Encinitas beach fill site.

## REVIEW PROCESS

The Encinitas-Solana Beach Coastal Storm Damage Reduction Study Integrated Report and Environmental Impact Statement were opened for review. Comments were received from Federal, State, and local agencies, non-profit organizations, and the public. In addition, USACE and the Cities held two public hearings at which oral comments were provided. The comments were taken into consideration, with responses provided in the final Environmental Impact Study.

## CONTACT US

There are a number of ways the community can stay informed about the project throughout construction:

- **Website:** For project resources and reports, please visit the [U.S. Army Corps of Engineers Webpage](https://www.usace.army.mil/encinitas).
- **Email questions** Jayme Timberlake, Coastal Zone Program Administrator at: [jtimberlake@encinitasca.gov](mailto:jtimberlake@encinitasca.gov)



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